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books devote too much space to classification. Every teacher knows from experience that mere classifying is of little interest to pupils, especially after the instruction in physics has begun. We hope that the day is not distant when the conviction will become general, that language and mathematics should, throughout the gymnasium course, be properly balanced by the study of natural history, especially of biology. Yet instruction in zoology is of little value, if the teacher does not know how "to set it into the midst of life". The animal must be considered in no other relations than its natural relations. This is the advantage which the new method has over the old.

To analyze plants or classify bugs demands certain logical operations, for which any other study offers equal scope. But to consider any creature, be it plant or animal, with all its modifying influences, to trace all the actions and reactions and individual adaptations, to discover the numerous threads which connect animal with animal, plant with plant, and animal with plant, this is to think in a manner truly "*naturwissenschaftlich*". An animal or plant should never be studied exclusively by itself, but all of its biological relations should be clearly set forth; in other words, biology itself should be taught, but of course not by classification, but "by paradigms" (*paradigmatisch*). Also, as a matter of course, the subjects chosen should be adapted to the capacities and limitations of the pupils.

The foundation of such study must be a clear conception of form, and for this reason instruction in zoology should be begun with "incessant descriptions" by the children. After morphology has been studied in this manner for the first three years, it may then be attacked in a different way. For instance, a careful study should be made of a single vertebrate, and then the modifications of form in other vertebrates under various influences be taken up.

The order in which the animals are to be studied is of secondary importance. But at all events, instruction "half-way reasonable" will begin with mammals. Within this limit, however, the succession of subjects is rather immaterial.

The demand that we pass from the known to the unknown is not always to be followed. It is more interesting to the pupil to begin with the wolf or the fox and trace the effects of domestication, than to start with domestic animals and work backward. But if we begin with the known, man is certainly to be studied first.

A. F. Kuersteiner.

BOOKS RECEIVED.

From American Book Company :

Robinson's New Rudiments of Arithmetic. pp. 224. Price 30 cents.

Robinson's New Primary Arithmetic. pp. 80. Price 18 cents.

Robinson's New Practical Arithmetic for Common Schools and Academies. pp. 416. Price 65 cents.

Marmion, A Tale of Flodden Field, by Sir Walter Scott, Bart. pp. 240. Price 20 cts.

From Lee & Shepard :

Physiology for Boys and Girls. A Revised Edition of How to Keep Well : A text-book of health for use in the lower grade of schools with special reference to the effects of alcoholic drinks, tobacco, and other narcotics on the bodily life, by Albert F. Blaisdell, M.D. pp. 246.

Young Folks' Physiology. A revised edition of Our Bodies and How We Live. An elementary text-book of physiology and hygiene with special reference to the effects of stimulants and narcotics on the human system, for use in schools, by Albert F. Blaisdell, M.D. pp. 412.

Physiology for Little Folks. A revised edition of Child's Book of Health in Easy Lessons, for schools, by Albert F. Blaisdell, M.D. pp. 136.

- From Carl Schoenhof, Libraire-Éditeur :
Cours de Langue Française. Les Premiers Pas, par L. Charles Roux, M.A., Professeur de Français au Vermont Academy, Vt., E. U. pp. 120.
- From Ginn & Company :
Hume's Treatise of Morals : and selections from the Treatise of Passions, with an introduction by James H. Hyslop, Ph.D., Instructor in Logic, Ethics, and Psychology, Columbia College. pp. 275.
Greek-English Word List, containing about one thousand most common Greek words, so arranged as to be most easily learned and remembered, by Robert Baird, Professor of Greek in Northwestern University. pp. 43.
Mensuration, by Wm. S. Hall, C.E., M.E., M.S., Adjunct Professor in Lafayette College. pp. 93.
- From Leach, Shewell & Sanborn :
An Academic Physiology and Hygiene, by Orestes M. Brands, late Superintendent of Schools, Paterson, N. J., and Henry C. Van Gieson, A.M., M.D., graduate of the College of Physicians and Surgeons, New York. pp. 386. Price \$1.
- From Macmillan & Company :
Electrical Experiments. A manual of instructive amusement, by G. E. Bonney, with 144 illustrations. pp. 252. Price 75 cen. s.
How to Manage the Dynamo. A handbook for ship engineers, electric light engineers, and electro-platers, by S. R. Bottone. pp. 63. Price 60 cents.
Plato and Platonism. A series of lectures by Walter Pater, Fellow of Brasenose College. pp. 256. Price \$1.75.
English Prose Selections with Critical Introductions by various writers and general introduction to each period, edited by Henry Craik. Vol. I, Fourteenth to Sixteenth Century. pp. 604. Price \$1.10.
- From University Press, Palo Alto :
Freehand Lettering for Working Drawings, by Charles Benjamin Wing, C.E., Professor of Civil Engineering, Leland Stanford University.
- From Longmans, Green & Company :
Longmans' School Geography, by George G. Chisholm, M.A., B. Sc., Fellow of the Royal Geographical and Statistical Societies, and C. H. Leete, A.M., Ph.D., Fellow of the American Geographical Society. Third edition; revised. pp. 384.
Lectures on the History of Education with a Visit to German Schools, by the late Joseph Payne, the First Professor of the Science and Art of Education in the College of Preceptors, London, edited by his son, Joseph Frank Payne, M.D., late Professor of Magdalen College, Oxford, physician to St. Thomas's Hospital. pp. 313.
Questions Based on Longmans' School Geography and Longmans' New School Atlas by George G. Chisholm, M.A., B.Sc., Fellow of the Royal Geographical and Statistical Societies, and C. H. Leete, A.M., Ph.D., Fellow of the American Geographical Society. pp. 78.
Longmans' New School Atlas, edited by George G. Chisholm, M.A., B.Sc., Fellow of the Royal Geographical and Statistical Societies, and C. H. Leete, A.B., Ph.D., Fellow of the American Geographical Society.
Epochs of American History : Division and Reunion 1829-1889, by Woodrow Wilson, Ph.D., LL.D., Professor of Jurisprudence in Princeton University. With five maps. pp. 326.
- From D. C. Heath & Company :
La Cigale Chez Les Fourmis, Comédie en un acte par Legouve et Labiche, edited with notes by W. H. Witherby, M.A. pp. 56. Price 20 cents.
- From the Penn Publishing Company :
The Story of the Iliad, or the Siege of Troy, for Boys and Girls, by Dr. Edward Brooks, A.M., Superintendent of Schools of Philadelphia. pp. 368. Price \$1.25.
The Story of the Odyssey, or the Adventures of Ulysses, for Boys and Girls, by Dr. Edward Brooks, A.M. pp. 370. Price \$1.25.
- From Charles H. Kerr & Company :
The Gospel of Matthew in Greek, edited by Alexander Kerr and Herbert Cushing Tolman, Professor in the University of Wisconsin. pp. 116. Price 50 cents. Cloth edition \$1.
Why Government at All? By William H. Van Ornum. pp. 368. Price 50 cents.
- From Roberts Brothers :
Keep Your Mouth Shut. A Popular Treatise on Mouth-breathing : Its Causes, Effects, and Treatment, by Fred A. A. Smith, M.D., with an appendix on Ophthalmia in New-born Children, by Dr. Smith and Dr. Swan M. Burnett. pp. 73.
The Man Without a Country, by Edward E. Hale. Illustrated. pp. 100. Price 30 cents.
- From Charles Scribner's Sons :
The Principles of Comparative Philology, by A. H. Sayce, D.C.L., LL.D., Professor of Assyriology, Oxford. Fourth edition; revised and enlarged. pp. 422. Price \$3.50.
- From Porter & Coates :
Citizenship : Some Suggestions as to the Obligations, the Difficulties and the Preparation of Voters, by Charles A. Brinley. pp. 44. Price 10 cents.